

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 12, line 24, with the following rewritten paragraph:

--FIG. 2 is an illustration for explaining the intersection determination between the edge E002 and the ray spread RS001, which is a drawing when viewing FIG. 1 from the top. The intersection determination is performed by measuring the vertical distance L1 between the ray R003 and edge E002 and comparing the distance L1 with the spread radius S1 of the ray spread RS001 corresponding to the ray R003 at the spot concerned. That is, when S1 is equal to or larger than L1, diffracted-ray generation is started by determining that ~~[[the]]~~ they both intersect each other but when S1 is smaller than L1, it is assumed that no diffracted ray is generated.--